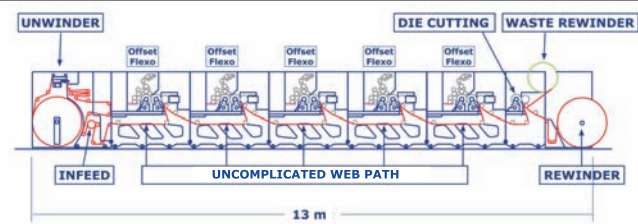


EXAGON

EXAGON

Combination Offset & Flexographic Press

The Exagon can be configured to contain as many colours as you need, with any combination of flexographic and offset printing being used that you need for the specific job...



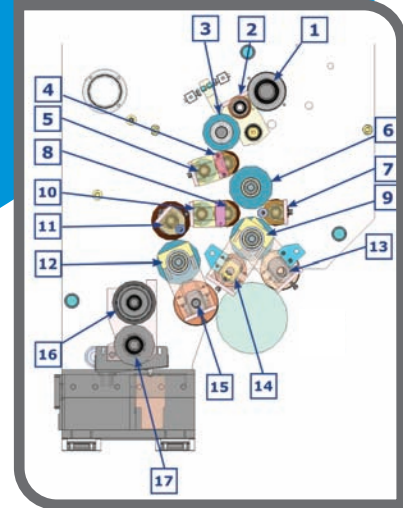
Ink Train

- | | |
|----|---------------|
| 1 | INK DUCTOR |
| 2 | INTERMEDIATE |
| 3 | FRICTION |
| 4 | INK TRANSFER |
| 5 | RIDER |
| 6 | FRICTION |
| 7 | INK TRANSFER |
| 8 | INK TRANSFER |
| 9 | FRICTION |
| 10 | FRICTION |
| 11 | INK TRANSFER |
| 12 | FRICTION |
| 13 | INK FORM |
| 14 | INK FORM |
| 15 | DAMPENING |
| 16 | CROME |
| 17 | WATER TAKE UP |

Technical Spec

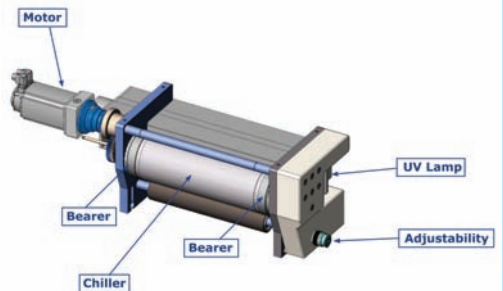
Note: Specification may be changed without notice. Press performance dependent on substrate

Plate - blanket - Flexo plate cylinders diameter 18" - 25"
 Impression cylinder diameter 20"
 Anilox roll diameter 18"
 Ink rollers total width 435 mm
 Plate roller printing width 434 mm
 Blanket roller printing width 434 mm
 Impression roller cylinder total width 440 mm
 Anilox roller printing width 430 mm
 Plate width 432 mm
 Offset plate thickness 0.2 mm
 Vibrator rollers oscillation +/- 11 mm
 Oscillations/minute - independent speed 20 - 60
 Blanket thickness (as optional rubber blanket roller - no gap) 1.95 mm
 Flexo plate thickness 1.7 mm or 1.14mm
 Adhesive tape thickness 0.51 mm or 0.38mm
 Paper thickness 0.03 mm / 0.3 mm
 Print width 420 mm
 Total width between size frames 560 mm
 Total width between ink frames 650 mm
 Lateral register range (offset) +/- 3 mm
 Lateral register range (flexo) +/- 5 mm
 Machine speed 100 m/min standard drive or up rate drive 250m/min
 Pressure between the rollers 120 N/cm
 Impression roller eccentricity adjustment range +/- 0.5 mm (steps 0.015 mm)
 Sleeve weight range (18" - 25") 13 kg
 Total power - subject to specification
 Total air requirement - subject to specification
 Oil pressure - (Oil ISO VG 46) bar: high 120 / low 70



Finishing

The Exagon offers a full range of finishing options from...
 Die cutting Labels, Embossing by sleeves, Inline lamination, Special Products, Rewinding, Sheeting... plus any other special items upon request.



Agent: _____

BERKELEY MACHINERY
 Paladin House - Batsom Lane - Sevenoaks - Kent TN15 6BL
 Tel: +44 (0)1474 854294 - Fax: +44 (0)1474 850859
<http://www.berkeley-machinery.co.uk> - Email: info@berkeley-machinery.co.uk



shaftless - gearless - oil free - unique mandrel holding system - aluminium sleeve - remote control ink keys - virtual plate scanner
bearers on all the print cylinders - adjustable anvil cylinder - simple and effective design

EXAGON

Combination Offset & Flexographic Press

PRINT TECHNOLOGY- The Exagon is a unique variable web printing press with a Print Tower able to print Offset, Flexographic and Gravure from the same unit.

The Exagon's excellent offset design enables the use of sleeves and is the only press that

is capable of giving you the same quality as metal Plate Cylinders.

A Special 'Patented' metal sleeve, using matching bearer

construction enables perfect match between Plate, Blanket and Impression Cylinders, using conventional plates... and with a new plate fixing method, there is a perfect fit with none of the distortion which often happens with older style fibre sleeves.

A 'Quick Change' all electronic system allows

the operator to change from Offset to Flexographic printing in under 3 minutes!

The blanket sleeve is a similar metal construction with bearer size matching and design which reduces blanket wear. The Blanket Sleeve, like the plate, can be changed in less than 3 minutes.

The Exagon achieves excellent print quality through the use of a unique new sleeve technology. It provides a cheaper alternative to variable print lengths as sleeves are cheaper than 'Conventional Print Cassettes' and faster to change to different print sizes.

The advances in technology with our Special Bearers & Metal Sleeves mean that you can match the quality of 'Print Cassettes' at a fraction of the cost.

Our new plate fixing system enables conventional Offset Plates to be used when changing to offset printing.

Our new Sleeve technology will save you money as the changeover from Offset to Flexo takes 'Just 3 minutes'!



Web Guide



Unique web guide and combined splicing table is suitable for a wide range of products, Labels and Flexible Packaging.

Print Tower



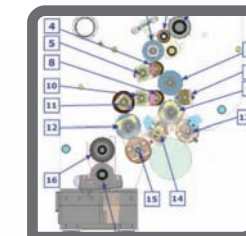
Excellent print quality now achievable with sleeve technology. Provides a cheaper alternative for multiple print lengths as sleeves are cheaper than 'Conventional Print Cassettes'.

Plate Sleeves



Very fast change-over, and the use of conventional metal Plates is a big saving against Flexo or gravure Print Origination. Far cheaper to have different print sizes with offset plates.

Ink Train



A superior ink train gives perfect print with excellent pressure - just one look at the roller set-up and any printer will be extremely pleased at the print quality available.

COST	EXAGON	CARTRIDGES
ONE SIZE	5000	15000
TWO SIZES / 5 UNITS	25000	75000
TWO SIZES / 5 UNITS	50000	150000
SAVING €100,000		

TIME	EXAGON	CARTRIDGES
MINUTES FOR CHANGE	3	15
MIN TO CHANGE SLEAVE	15	75
HOURS CHANGING PER YEAR	55	275
DAYS CHANGING PER YEAR	7	37
30 DAYS MORE FOR PRINTING PER YEAR		

Unwind Station

A servo driven controlled unwind unit to work in perfect harmony with the Exagon Fast Change Print Tower:

Blanket Sleeves



The blanket sleeve is a similar metal construction to the plate sleeve, with bearer size matching and design which reduces blanket wear:

Intelligent Anvil



Enables perfect web matching contact to the blanket or Flexographic Print Sleeve, giving perfect register, in excellent register when a Combination of Offset and Flexographic print are used together.

